

**SAIL-M12BW-4-2.5TOV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|            |                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, M12, Number of poles :<br>4, 2.5 m, Socket, angled, Shielded: No, LED: No,<br>Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2812540250</a>                                                                                                            |
| Type       | SAIL-M12BW-4-2.5TOV                                                                                                                   |
| GTIN (EAN) | 4064675343011                                                                                                                         |
| Qty.       | 1 pc(s).                                                                                                                              |

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**Technical data****Dimensions and weights**

|            |       |
|------------|-------|
| Net weight | 120 g |
|------------|-------|

**Technical specifications for cable**

|                                      |                           |                                                |                       |
|--------------------------------------|---------------------------|------------------------------------------------|-----------------------|
| Bending cycles                       | 10 Mio                    | Bending radius, min., moving                   | 7.5 x cable diameter  |
| Bending radius, min., stationary     | 4 x cable diameter        | Cable length                                   | 2.5 m                 |
| Colour coding                        | brown, blue, black, white | Core cross-section                             | 0.34 mm <sup>2</sup>  |
| Core in accordance with UL AWM style | 10995 (80 °C / 300 V)     | Halogen                                        | No                    |
| Irradiation crosslinked              | No                        | LABS-free                                      | Yes                   |
| Number of poles                      | 4                         | Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V) |
| Outside diameter                     | 4.9 mm ± 0.2 mm           | Resistant to welding beads                     | Yes                   |
| Sheath material                      | PUR                       | Sheathing colour                               | orange                |
| Shielded                             | No                        | Suitable for cable carriers                    | Yes                   |
| Temperature range, moving            | -25...80 °C               | Temperature range, stationary                  | -40...80 °C           |
| Torsion resistance                   | 360 °/m                   | Welding spark resistance                       | Yes                   |

**General technical data**

|                              |              |                   |                                         |
|------------------------------|--------------|-------------------|-----------------------------------------|
| AF size                      | 12 mm        | Coding            | A-coded                                 |
| Connection thread            | M12          | Contact surface   | Gold-plated                             |
| Housing main material        | PUR          | LED               | No                                      |
| Pollution severity           | 3            | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Rated current                | 4 A          | Rated voltage     | 24 V                                    |
| Temperature range of housing | -25...+85 °C | Version           | Socket, angled                          |

**Electrical properties**

|               |      |
|---------------|------|
| Rated voltage | 24 V |
|---------------|------|

**General standards**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

**Plug, left**

|           |                                                              |
|-----------|--------------------------------------------------------------|
| Plug left | M12, A-coded, IP68, female contact, angled 90°, Plastic, LED |
|-----------|--------------------------------------------------------------|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 9.0  | 27-06-03-11 |
| ECLASS 9.1  | 27-06-03-11 | ECLASS 10.0 | 27-06-03-11 |
| ECLASS 11.0 | 27-06-03-11 | ECLASS 12.0 | 27-06-03-11 |
| ECLASS 13.0 | 27-06-03-11 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

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|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | bd63baef-8092-4596-90c7-5b4daa22710b |

**Approvals**

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate no. (cULus) | E307231                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                          |
| Product Change Notification | <a href="#">Technical change to 3 to 5-pole unshielded M12 cord sets</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                 |

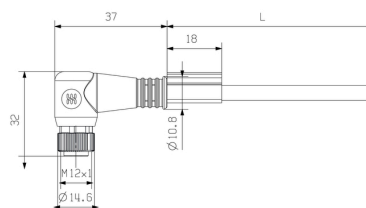
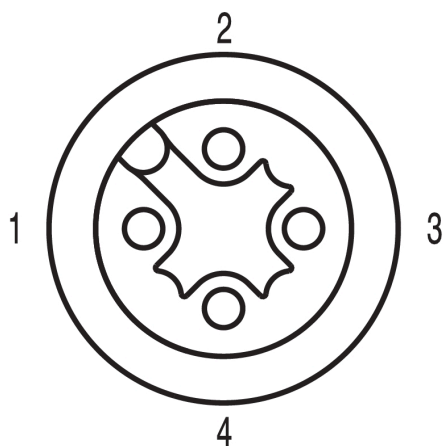
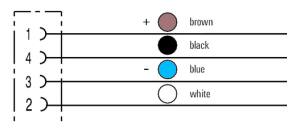
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**Drawings**
**Detailed drawing**

**Dimensioned drawing**

**Pole scheme**

**Wiring diagram**


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## Drawings

### The ideal tool: Screwty<sup>®</sup> with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.:  
1920000000 Adapters: M12, M12 F, M8, M8 F